What is claimed is:

1. A compound of Formula I,

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or a pharmaceutically acceptable salt thereof, wherein

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(a) R_1 , R_2 , R_3 , R_1 and R_5 are independently selected from the group consisting of H, OH, halogen, cyano, NO_2 , alkyl, $C_{1.8}$ alkoxy, $C_{1.8}$ alkylsulfonyl, $C_{1.4}$ carboalkoxy, $C_{1.8}$ alkylthio, difluoromethoxy, difluoromethylthio, trifluoromethyl, and oxadiazole (formed by R_1 and R_2);

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(b) R₆ is selected from the group consisting of H, C_{1.5} straight or branched alkyl, aryl, 3-piperidyl, N-substituted 3-piperidyl, N-substituted 2-pyrrolidinyl methylene, and substituted alkyl, wherein

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said N-substituted 3-piperidyl and said N-substituted 2-pyrrolidinyl methylene may be substituted with C_{1-8} straight or branched chain alkyl or benzyl, and said substituted alkyl may be substituted with C_{1-8} alkoxy, C_{2-8} alkanoyloxy, phenylacetyloxy, benzoyloxy, hydroxy, halogen, p-tosyloxy, mesyloxy, amino, carboalkoxy or NR'R", wherein

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(i) R' and R" are independently selected from the group consisting of H, C_{1.8} straight or branched alkyl, C_{3.7} cycloalkyl,

phenyl, benzyl, and phenethyl, or (ii) R' and R" together form a heterocyclic ring selected from the group consisting of piperidino, pyrrolidino, morpholino, thiomorpholino, piperazino, 2-thieno, 3-thieno, and an N-substituted derivative of said heterocyclic rings, said N-substituted derivative being substituted with H, C₁₋₈ straight or branched alkyl, benzyl, benzhydryl, phenyl and/or substituted phenyl (substituted with NO₂, halogen, C₁₋₈ straight or branched chain alkyl, C₁₋₈ alkoxy and/or trifluoromethyl);

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(c) R₇ is selected from the group consisting of H, amino, alkyl, aryl, trifluoromethyl, alkoxymethyl, 2-thieno and 3-thieno;

R₈ is connected/to the bis-sulfone ring via a single or double

bond, as applicable, and is selected from the group consisting of

and/or halogen, and (iii) R" is amino, dialkyl amino, C₁₋₈ alkoxy,

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(d)

H, alkylhydroxy, alkenyl, amino, phenyl, benzyl, C_{1-8} straight or branched alkyl, trifluoromethyl, alkoxymethyl, C_{3-7} cycloalkyl, substituted benzyl, formyl, acetyl, t-butyloxy carbonyl, propionyl, substituted alkyl and R'"CH₂C=O, wherein (i) said substituted benzyl is substituted with halogen, trifluoromethyl, C_{1-8} straight and/or branched alkyl or C_{1-8} alkoxy, (ii) said substituted alkyl is substituted with/amino, dialkyl amino, C_{1-8} alkoxy, hydroxy

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- (e) m, n, and their sum are each an integer from 0 to 4.
- 2. The compound of Claim 1, wherein R_6 is $-(CH_2)_2N(CH_3)CH_2PH$.
- 30 3. The compound of Claim 1, wherein R_6 is methyl.

hydroxy or halogen; and

4. The compound of Claim 3, wherein R_4 is CF_3 , R_5 is F, R_7 is methyl, R_8 is methylene, m is 0 and n is 1.

- 5. The compound of Claim 3, wherein R_4 is QF_3 , R_5 is F, R_7 is methyl, R_8 is alkylhydroxy, m is 0 and n is 1.
- 5 6. The compound of Claim 1, wherein R_7 is methyl.
 - 7. The compound of Claim 6, wherein R_6 is $-(CH_2)_2N(CH_3)CH_2PH$.
 - 8. The compound of Claim 6, wherein R_4 is CF_3 and R_5 is F.

9. The compound of Claim 6, wherein R₅ is Cl.

- 10. The compound of Claim 6 wherein R₁ is F and R₅ is Cl.
- 15 11. The compound of Claim 1 which is: 5H-1,4-Dithiepino[6,5-b]pyridine-8-carboxylic acid, 9-(2-chloro-6-fluorophenyl)-2,3,6,9-tetrahydro-7-methyl-2-[methyl(phenylmethyl)amino]ethyl ester 1,1,4,4-tetraoxide.
- 12. The compound of Claim 1 which is: 5*H*-1,4-Dithiepino[6,5-*b*]pyridine-8-20 carboxylic acid, 2,3,6,9-tetrahydro-7-methyl-9-(3,4,5-trifluorophenyl)-2-[methyl(2-thienylmethyl)amino]ethyl ester 1,1,4,4-tetraoxide.
- The compound of Claim 1 which is: 5*H*-1,4-Dithiepino[6,5-*b*]pyridine-8-carboxylic acid, 9-[2-fluoro-6-(trifluoromethyl)phenyl]-2,3,6,9-tetrahydro-7-methyl-2-[methyl(phenylmethyl)amino]ethyl ester 1,1,4,4-tetraoxide.
- 14. The compound of Claim 1 which is: 5*H*-1,4-Dithiepino[6,5-*b*]pyridine-8-carboxylic acid, 9-(2-chloro-6-fluorophenyl)-2,3,6,9-tetrahydro-7-methyl-2-[methyl(phenylmethyl)amino]ethyl ester 1,1,4,4-tetraoxide, (9R).

- 15. The compound of Claim 1 which is: 5*H*-1,4-Dithiepino[6,5-*b*]pyridine-8-carboxylic acid, 9-(2-chloro-6-fluorophenyl)-2,3,6,9-tetrahydro-7-methyl-2-[methyl(phenylmethyl)amino]ethyl ester 1,1,4,4-tetraoxide, (9S).
- 16. The compound of Claim 1 which is 5*H*-1,4-Dithiepino[6,5-*b*]pyridine-8-carboxylic acid, 9-(2-chloro-6-hydroxyphenyl)-2,3,6,9-tetrahydro-7-methyl-2-[methyl(phenylmethyl)amino]ethyl ester 1,1,4,4-tetraoxide.
- 10 17. The compound of Claim 1 which is: 5*H*-1,4-Dithiepino[6,5-*b*]pyridine-8-carboxylic acid, 9-(2-chlorophenyl)-2,3,6,9-tetrahydro-7-methyl-2-[methyl(phenylmethyl)amino]ethyl ester 1,1,4,4-tetraoxide.
- 18. The compound of Claim 1 which is: 5*H*-1,4-Dithiepino[6,5-*b*]pyridine-815 carboxylic acid, 9-[2-fluoro-3-(trifluoromethyl)phenyl]-2,3,6,9tetrahydro-7-methyl-2-[methyl(phenylmethyl)amino]ethyl ester 1,1,4,4tetraoxide.
- The compound of Claim 1 which is: 5*H*-1,4-Dithiepino[6,5-*b*]pyridine-8-carboxylic acid, 2,3,6,9-tetrahydro-7-methyl-9-(3-nitrophenyl)-2-[methyl(phenylmethyl)amino]ethyl ester 1,1,4,4-tetraoxide.
- 20. The compound of Claim 1 which is: 5*H*-1,4-Dithiepino[6,5-*b*]pyridine-8-carboxylic acid, 2/3,6,9-tetrahydro-7-methyl-9-(3,4,5-trifluorophenyl)-2-[methyl(phenylmethyl)amino]ethyl ester 1,1,4,4-tetraoxide.
 - 21. The compound of Claim 1 which is: 5*H*-1,4-Dithiepino[6,5-*b*]pyridine-8-carboxylic acid, 9-(2-chloro-6-fluorophenyl)-2,3,6,9-tetrahydro-7-methyl ester 1,1,4,4-tetraoxide.
 - 22. The compound of Claim 1 which is: 5*H*-1,4-Dithiepino[6,5-*b*]pyridine-8-carboxylic acid, 9-(2-chloro-5-nitrophenyl)-2,3,6,9-tetrahydro-7-methyl-methyl ester 1,1,4,4-tetraoxide.

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- 23. The compound of Claim 1 which is: 5*H*-1,4-Dithiepino[6,5-*b*]pyridine-8-carboxylic acid, 2,3,6,9-tetrahydro-7-methyl-9-(pentafluorophenyl)-methyl ester 1,1,4,4-tetraoxide.
- 24. The compound of Claim 1 which is: 5*H*-1,4-Dithiepino[6,5-*b*]pyridine-8-carboxylic acid, 9-(2,6-difluorophenyl)-2,3,6,9-tetrahydro-7-methyl-methyl ester 1,1,4,4-tetraoxide.
- The compound of Claim 1 which is: 5*H*-1,4-Dithiepino[6,5-*b*]pyridine-8-carboxylic acid, 9-(2-chlorophenyl)-2,3,6,9-tetrahydro-7-methyl-methyl ester 1,1,4,4-tetraoxide.
- The compound of Claim 1 which is: 5*H*-1,4-Dithiepino[6,5-*b*]pyridine-8-carboxylic acid, 9-(2-fluorophenyl)-2,3,6,9-tetrahydro-7-methyl-methyl ester 1,1,4,4-tetraoxide.
 - 27. The compound of Claim 1 which is: 5*H*-1,4-Dithiepino[6,5-*b*]pyridine-8-carboxylic acid, 9-[2-fluoro-3/(trifluoromethyl)phenyl]-2,3,6,9-tetrahydro-7-methyl-methyl ester 1,1,4,4-tetraoxide.
 - 28. The compound of Claim 1 which is: 5*H*-1,4-Dithiepino[6,5-*b*]pyridine-8-carboxylic acid, 9-(2,3-difluorophenyl)-2,3,6,9-tetrahydro-7-methyl-methyl ester 1,1,4,4-tetraoxide.
 - 29. The compound of Claim 1 which is: 5*H*-1,4-Dithiepino[6,5-*b*]pyridine-8-carboxylic acid, 2,3,6,9-tetrahydro-7-methyl-9-(2-nitrophenyl)-methyl ester 1,1,4,4-tetraoxide.
- 30 30. The compound of Claim 1 which is: 5*H*-1,4-Dithiepino[6,5-*b*]pyridine-8-carboxylic acid, 9-[2-fluoro-3-(trifluoromethyl)phenyl]-2,3,6,9-tetrahydro-7-methyl-3-methylene-methyl ester 1,1,4,4-tetraoxide.

- 31. The compound of Claim 1 which is: 5*H*-1,4-Dithiepino[6,5-*b*]pyridine-8-carboxylic acid, 9-[2-fluoro-3-(trifluoromethyl)phenyl]-2,3,6,9-tetrahydro-7-methyl-3-methylene-2-[methyl(phenylmethyl)amino]ethylester 1,1,4,4-tetraoxide.
- 32. The compound of Claim 1 which is: 5*H*-1,4-Dithiepino[6,5-*b*]pyridine-8-carboxylic acid, 9-[2-fluoro-3-(trifluoromethyl)phenyl]-2,3,6,9-tetrahydro-3-(hydroxymethyl)-7-methyl-methyl ester 1,1,4,4-tetraoxide.
- The compound of Claim 1 which is: 5*H*-1,4-Dithiepino[6,5-*b*]pyridine-8-carboxylic acid, 9-[2-fluoro-3-(trifluoromethyl)phenyl]-2,3,6,9-tetrahydro-3-(hydroxymethyl)-7-methyl-2-[methyl(phenylmethyl)amino]ethyl ester 1,1,4,4-tetraoxide.
- The compound of Claim 1 which is: 5*H*-1,4-Dithiepino[6,5-b]pyridine-8-carboxylic acid, 2,3,6,9-tetrahydro-3-(hydroxymethyl)-7-methyl-9-(3-nitrophenyl)-2-[methyl](phenylmethyl)amino]ethyl ester 1,1,4,4-tetraoxide.
- 20 35. The compound of Claim 1 which is: 2*H*,6*H*-1,5-Dithiocino[3,2-*b*]pyridine-9-carboxylic acid, 3,4,7,10-tetrahydro-8-methyl-10-(3-nitrophenyl)-2-[methyl(phenylmethyl)amino]ethyl ester 1,1,5,5-tetraoxide.
- 25 36. The compound of Claim 1 which is: 2*H*,6*H*-1,5-Dithiocino[3,2-*b*]pyridine-9-carboxylic acid, 10-[2-fluoro-6-(trifluoromethyl)phenyl]-3,4,7,10-tetrahydro-8-methyl-2-[methyl(phenylmethyl)amino]ethyl ester 1,1,5,5-tetrapxide.
- 37. The compound of Claim 1 which is: 2*H*,6*H*-1,5-Dithiocino[3,2-*b*]pyridine-9-carboxylic acid, 3,4,7,10-tetrahydro-8-methyl-10-(pentafluorophenyl)-2-[methyl(phenylmethyl)amino]ethyl ester 1,1,5,5-tetraoxide.

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- 38. The compound of Claim 1 which is: 2*H*,6*H*-1,5-Dithiocino[3,2-*b*]pyridine-9-carboxylic acid, 10-[2-fluoro-3-(trifluoromethyl)phenyl]-3,4,7,10-tetrahydro-8-methyl-2-[methyl(phenylmethyl)amino]ethyl ester 1,1,5,5-tetraoxide.
 - 39. The compound of Claim 1 which is 2*H*,6*H*-1,5-Dithiocino[3,2-*b*]pyridine-9-carboxylic acid, 10-(2-chlorophenyl)-3,4,7,10-tetrahydro-8-methyl-2-[methyl(phenylmethyl)amino]ethyl ester 1,1,5,5-tetraoxide.
- 40. The compound of Claim 1 which is: 2*H*,6*H*-1,5-Dithiocino[3,2-*b*]pyridine-9-carboxylic acid, 3,4,7,10-tetrahydro-8-methyl-10-(2-nitrophenyl)-2-[methyl(phenylmethyl)amino]ethyl ester 1,1,5,5-tetraoxide.
 - 41. The compound of Claim 1 which is: 4*H*-1,3-Dithiino[5,4-*b*]pyridine-7-carboxylic acid, 8-[2-fluoro-3-(trifluoromethyl)phenyl]-5,8-dihydro-6-methyl-2-[methyl(phenylmethyl)amino]ethyl ester 1,1,3,3-tetraoxide.
- The compound of Claim 1 which is: 4*H*-1,3-Dithiino[5,4-*b*]pyridine-7-carboxylic acid, 8-(2-chlorophenyl)-5,8-dihydro-6-methyl-2-[methyl(phenylmethyl)amino]ethyl ester 1,1,3,3-tetraoxide.
 - 43. A compound of Formula (II),

or a pharmaceutically acceptable salt thereof, wherein

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- (a) R_1 , R_2 , R_3 , R_4 and R_5 are independently selected from the group consisting of H, OH, halogen, cyano, NO_2 , alkyl, C_{1-8} alkoxy, C_{1-8} alkylsulfonyl, C_{1-4} carboalkoxy, C_{1-8} alkylthio, difluoromethoxy, difluoromethylthio, trifluoromethyl, and oxadiazole (formed by R_1 and R_2);
- (b) R₇ is selected from the group consisting of H, amino, alkyl, aryl, trifluoromethyl, alkoxymethyl, 2-thieno and 3-thieno;
- (c) R₈ is connected to the bis-sulfone ring via a single or double bond, as applicable, and is selected from the group consisting of H, alkylhydroxy, alkenyl, amino, phenyl, benzyl, C₁₋₈ straight or branched alkyl, trifluoromethyl, alkoxymethyl, C₃₋₇ cycloalkyl, substituted benzyl, formyl acetyl, t-butyloxy carbonyl, propionyl, substituted alkyl and R'''CH₂C=O, wherein (i) said substituted benzyl is substituted with halogen, trifluoromethyl, C₁₋₈ straight and/or branched alkyl or C₁₋₈ alkoxy, (ii) said substituted alkyl is substituted with amino dialkyl amino, C₁₋₈ alkoxy, hydroxy and/or halogen, and (iii) R''' is amino, dialkyl amino, C₁₋₈ alkoxy, hydroxy or halogen;
- (d) R₉ is selected from alkyl-OH, alkylamine, lactone, cyclic carbonate, alkyl-substituted cyclic carbonate, aryl-substituted cyclic carbonate, aryl-C(O)OR', -alkyl-aryl-C(O)OR', -alkyl-C(O)OR', -alkyl-C(O)OR', -alkyl-N(R")C(O)R', and -alkyl-N(R")C(O)OR', wherein

R^I and R^{II} are independently selected from the group consisting of hydrogen, amino, alkyl, aryl, aryl-fused cycloalkyl, and heterocyclyl, the amino, alkyl, aryl, aryl-fused cycloalkyl, and heterocyclyl being optionally substituted with halogen, cyano, NO₂, lactone, amino, alkylamino, aryl-substituted alkylamino,

amide, carbamate, carbamoyl, cycllc carbonate, alkyl, halogensubstituted alkyl, arylalkyl, alkoxy, heterocyclyl and/or aryl (the aryl being optionally substituted with OH, halogen, cyano, NO₂, alkyl, amino, dimethylamino, alkoxy, alkylsulfonyl, C₁₋₄ carboalkoxy, alkylthio and/or trifluoromethyl);

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- (e) m, n, and their sum are each an integer from 0 to 4; and
- (f) p is an integer from 0 to 4.

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- 44. The compound of Claim 43, wherein R₉ is -aryl-alkyl-OC(O)R'.
- 45. The compound of Claim 43, wherein R₉ is –alkyl–N(R")C(O)R'.
- The compound of Claim 45 which is: 5H-[1,4]dithiepino[6,5-b]pyridine-8-carboxylic acid, 9-(2-chloro-6-fluorophenyl)-2,3,6,9-tetrahydro-7-methyl-, 2-[[(1,1-dimethylethoxy)carbonyl]amino]ethyl ester, 1,1,4,4-tetraoxide.
- 20 47. The compound of Claim ∮3, wherein R₉ is –alkyl–OC(O)R'.
 - 48. The compound of Claim 47 which is: 5*H*-[1,4]dithiepino[6,5-*b*]pyridine-8-carboxylic acid, 9-(2-chloro-6-fluorophenyl)-2,3,6,9-tetrahydro-7-methyl-, 2-[[(1,2,3,4-tetrahydro-2-naphthalenyl)carbonyl]oxy]ethyl ester, 1,1,4,4-tetraoxide.
 - 49. The compound of Claim 47 which is: 5*H*-[1,4]dithiepino[6,5-*b*]pyridine-8-carboxylic acid, 9-(2-chloro-6-fluorophenyl)-2,3,6,9-tetrahydro-7-methyl-, 2-[(cycloheptylcarbonyl)oxy]ethyl ester, 1,1,4,4-tetraoxide.

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The compound of Claim 47 which is: 5*H*-[1,4]dithiepino[6,5-*b*]pyridine-8-carboxylic acid, 9-(2-chloro-6-fluorophenyl)-2,3,6,9-tetrahydro-7-methyl-, 2-[[4-(1-methylethoxy)benzoyl]oxy]ethyl ester, 1,1,4,4-tetraoxide.

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54.

- 51. The compound of Claim 47 which is: 5*H*-[1,4]dithiepino[6,5-*b*]pyridine-8-carboxylic acid, 9-(2,3-dichlorophenyl)-2,3,6,9-tetrahydro-7-methyl-, 2-(2-methyl-1-oxopropoxy)ethyl ester, 1,1,4,4-tetraoxide.
- The compound of Claim 47 which is: 2*H*,6*H*-[1,5]dithiocino[3,2-*b*]pyridine-9-carboxylic acid, 10-(2-chloro-6-fluorophenyl)-3,4,7,10-tetrahydro-8-methyl-, 2-[(4-(1/methylethoxy)benzoyl]oxy]ethyl ester, 1,1,5,5-tetraoxide.

53. A pharmaceutical composition comprising the compound of Claim 1 or 43 and a pharmaceutically acceptable carrier.

A method of treating a subject suffering from a disorder whose alleviation is mediated by the reduction of calcium ion influx into cells whose actions contribute to the disorder, which method comprises administering to the subject a therapeutically effective dose of the pharmaceutical composition of Claim 53.

- 20 55. A method of inhibiting in a subject the onset of a disorder whose alleviation is mediated by the reduction of calcium ion influx into cells whose actions contribute to the disorder, which method comprises administering to the subject a prophylactically effective dose of the pharmaceutical composition of Claim 53.
 - The method of Claim 34 or 55, wherein the disorder is selected from the group consisting of hypersensitivity, allergy, asthma, bronchospasm, dysmenorrhea, esophageal spasm, glaucoma, premature labor, a urinary tract disorder, a gastrointestinal motility disorder and a cardiovascular disorder.
 - 57. The method of Claim 56, wherein the disorder is asthma.

- 58. The method of Claim 56, wherein the cardiovascular disorder is selected from the group consisting of hypertension, ischemia, angina, congestive heart failure, myøcardial infarction and stroke.
- 5 59. An apparatus for administering to a subject the pharmaceutical composition of Claim 53, comprising a container and the pharmaceutical composition therein, whereby the container has a means for delivering to the subject a therapeutic and/or prophylactic dose of the pharmaceutical composition.

60. A process for preparing the compound of Claim 1

wherein m, n, and their sum are each an integer from 1 to 4, which process comprises the steps of

(a) reacting the compound of Formula 1a with the compound of Formula 1b

$$HS \longrightarrow (CH_2)_m$$
 R_8
 $HS \longrightarrow (CH_2)_n$
 $CI \longrightarrow CI$
 CI
 Ib

to form the compound of Formula 1c;

1c

reacting the compound of Formula 1c with mchloroperoxybenzoic acid to form the compound of Formula 1d;

R₈

(CH₂)_m

$$\begin{array}{c|c} O & O \\ S = O \\ CH_2)_m \\ 1d \end{array}$$

reacting the compound of Formula 1d with the compounds of (c) Formulae 1e and 1f

$$R_7$$
 NH_2 $R_{1.5}$ $R_{1.5}$ to form the gompound of Claim 1.

The process of Claim 60, wherein R₈ of the compound of Formula I is a 61. methylene group formed from a methylol group using a dehydrating agent.

A process of preparing the compound of Claim 43, 15 62.

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which process comprises the steps of

5 (a) reacting the compound of Formula 3a' with formic acid to form the compound of Formula 3b'; and

(b) reacting the compound of Formula 3b with R₉Br or R₉Cl to form the compound of Claim 43.

3b'

63. The process of Claim 62, wherein R_7 is methyl.